

000#221

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244

East 11115 Montgomery, Suite B, Spokane, WA 99206-4776 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

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FAX 420-9210

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(503) 906-9200 FAA 906-9210 (541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 P1 (541) 383-9310 FA

Work Order #: M10800 S

CLIENT: BRISTOL						INVO	ICE TO):										O REQUEST in 1	Business D	ays*
REPORT TO: ANNE	KRANA	WETT	EK	7	-		BRISTOL							Organic & Inorganic Analyses						
ADDRESS: AMCHI																10 7		4 3 Lum Hydrocarbon An	2 1	< 1
PHONE: 907-770	.0974	FAX TO	7.0	9	15	P.O. N	UMBE	R: 7	100	70		<u> </u>					4		1 <1	
	HITKI					-		- Contract of the Contract of		ALYSES	3					ST	D.	Please Spe	cify	
PROJECT NUMBER: 210																	OTH		ŧ.	
SAMPLED BY: ARV	1 CRm											1.15				*Turnare	ound Requests	less than standard may	incur Rush Ch	arges.
CLIENT SAMPLE	SAMPL	ING	0	8												MATRIX	# OF			NCA WO
IDENTIFICATION	DATE/T	IME	Pas	3				1								(W, S, O)	CONT.	COMME	NTS	ID
1. 01AMLA 375L	8/5/01	1115	y	X												2	2			
2.01AmbA3851	8/5/01	1110	X	X									-			5	2			
3.01AMLA395L	8/5/01	1105	X	X												5	2			
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PRINT NAME: Anna	cranaw	e HFIRM: B	RIS	370)		114			NAME:	d	ru"	P	rad	12	FIRM:	NCA		TIME:	*
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ADDITIONAL REMARKS: Seway Lagon Confirmation Sampling TEMP: 15°C PAGE OF								OF.												



425.420.9200 fax 425.420.9210

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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter Bristol Environmental & Engineering 2000 W International Airport C#1 Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 08/05/01 11:44. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson

Environmental Group Leader

1112

Work Orders included in this report:

M108008



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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported:

08/13/01 17:56

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMLA37SL	M108008-01	Soil	08/05/01 11:15	08/05/01 11:44
01AMLA38SL	M108008-02	Soil	08/05/01 11:10	08/05/01 11:44
01AMLA39SL	M108008-03	Soil	08/05/01 11:05	08/05/01 11:44
01AMLA40SL	M108008-04	Soil	08/05/01 10:55	08/05/01 11:44

C. O. C. # 221

North Creek Analytical - Mobile Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Anchorage, AK 99502-1116

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223

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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported: 08/13/01 17:56

Polychlorinated Biphenyls per EPA Method 8082 North Creek Analytical - Mobile Lab

Project Manager: Anne Kranawetter

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA37SL (M108008-01) Soil					Sampled: 08/	/05/01 Rece	eived: 08/05/	/01	
Aroclor 1016	ND	145	ug/kg dry	1	EPA 8082	08/05/01	08/06/01	0108014	
Aroclor 1221	ND	290	"	"	"	"	"	"	
Aroclor 1232	ND	145	"	"	"	"	"	"	
Aroclor 1242	ND	145	"	"	"	"	"	"	
Aroclor 1248	ND	145	"	"	"	"	"	"	
Aroclor 1254	ND	145	"	"	"	"	"	"	
Aroclor 1260	ND	145	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	120 %	55-130							
Surr: Decachlorobiphenyl	102 %	55-130							
01AMLA38SL (M108008-02) Soil					Sampled: 08/	/05/01 Rece	eived: 08/05/	/01	
Aroclor 1016	ND	146	ug/kg dry	1	EPA 8082	08/05/01	08/06/01	0108014	
Aroclor 1221	ND	292	"	"	"	"	"	"	
Aroclor 1232	ND	146	"	"	"	"	"	"	
Aroclor 1242	ND	146	"	"	"	"	"	"	
Aroclor 1248	ND	146	"	"	"	"	"	"	
Aroclor 1254	ND	146	"	"	"	"	"	"	
Aroclor 1260	ND	146	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	120 %	55-130							
Surr: Decachlorobiphenyl	105 %	55-130							
01AMLA39SL (M108008-03) Soil					Sampled: 08/	/05/01 Rece	eived: 08/05/	/01	
Aroclor 1016	ND	147	ug/kg dry	1	EPA 8082	08/05/01	08/06/01	0108014	
Aroclor 1221	ND	295	"	"	"	"	"	"	
Aroclor 1232	ND	147	"	"	"	"	"	"	
Aroclor 1242	ND	147	"	"	"	"	"	"	
Aroclor 1248	ND	147	"	"	"	"	"	"	
Aroclor 1254	ND	147	"	"	"	"	"	"	
Aroclor 1260	ND	147	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	62.8 %	55-130							

North Creek Analytical - Mobile Lab

Surr: Decachlorobiphenyl

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S-07

49.4 %

55-130



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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported:

08/13/01 17:56

Polychlorinated Biphenyls per EPA Method 8082 North Creek Analytical - Mobile Lab

Project Manager: Anne Kranawetter

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA40SL (M108008-04) Soil					Sampled: 08/	05/01 Rece	eived: 08/05/	/01	_
Aroclor 1016	ND	146	ug/kg dry	1	EPA 8082	08/05/01	08/06/01	0108014	
Aroclor 1221	ND	292	"	"	"	"	"	"	
Aroclor 1232	ND	146	"	"	"	"	"	"	
Aroclor 1242	ND	146	"	"	"	"	"	"	
Aroclor 1248	ND	146	"	"	"	"	"	"	
Aroclor 1254	ND	146	"	"	"	"	"	"	
Aroclor 1260	ND	146	"	"	"	"	"	"	
Surr: 2,4,5,6-Tetrachloro-m-xylene	59.2 %	55-130							
Surr: Decachlorobiphenyl	48.8 %	55-130							S-07

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported:

08/13/01 17:56

Physical Parameters per APHA/ASTM/EPA Methods

North Creek Analytical - Mobile Lab

Project Manager: Anne Kranawetter

Analyte	Result	Reporting Limit Units	Dilution	Method Prepared Analyzed Batch Notes
01AMLA37SL (M108008-01) Soil				Sampled: 08/05/01 Received: 08/05/01
% Solids	78.4	0.0100 % by Weigh	t 1	Gravimetric 08/05/01 08/06/01 0108013
01AMLA38SL (M108008-02) Soil				Sampled: 08/05/01 Received: 08/05/01
% Solids	75.8	0.0100 % by Weigh	t 1	Gravimetric 08/05/01 08/06/01 0108013
01AMLA39SL (M108008-03) Soil				Sampled: 08/05/01 Received: 08/05/01
% Solids	77.4	0.0100 % by Weigh	t 1	Gravimetric 08/05/01 08/06/01 0108013
01AMLA40SL (M108008-04) Soil				Sampled: 08/05/01 Received: 08/05/01
% Solids	74.8	0.0100 % by Weigh	t 1	Gravimetric 08/05/01 08/06/01 0108013

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Bristol Environmental & Engineering 2000 W International Airport C#1

Project: Amchitka Project Number: 21090

Reported:

Anchorage, AK 99502-1116

Project Manager: Anne Kranawetter

08/13/01 17:56

Polychlorinated Biphenyls per EPA Method 8082 - Quality Control

North Creek Analytical - Mobile Lab

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 0108014 - 3545 ASE									
Blank (0108014-BLK1)			Prepared:	08/05/01	Analyz	ed: 08/06/0	1		
Aroclor 1016	ND	150 ug/kg wet							
Aroclor 1221	ND	301 "							
Aroclor 1232	ND	150 "							
Aroclor 1242	ND	150 "							
Aroclor 1248	ND	150 "							
Aroclor 1254	ND	150 "							
Aroclor 1260	ND	150 "							
Surr: 2,4,5,6-Tetrachloro-m-xylene	238	"	200		119	55-130			
Surr: Decachlorobiphenyl	215	"	200		108	55-130			
LCS (0108014-BS1)			Prepared:	08/05/01	Analyz	ed: 08/06/0	1		
Aroclor 1254	872	150 ug/kg wet	833		105	55-130			
Surr: 2,4,5,6-Tetrachloro-m-xylene	233	"	200		117	55-130			
Surr: Decachlorobiphenyl	204	"	200		102	55-130			
Matrix Spike (0108014-MS1)	Source	ce: M108008-01	Prepared:	08/05/01	Analyz	ed: 08/06/0	1		
Aroclor 1254	1130	147 ug/kg dry	1040	ND	109	55-130			
Surr: 2,4,5,6-Tetrachloro-m-xylene	296	"	249		119	55-130			
Surr: Decachlorobiphenyl	268	"	249		108	55-130			
Matrix Spike Dup (0108014-MSD1)	Source	ce: M108008-01	Prepared:	08/05/01	Analyz	ed: 08/06/0	1		
Aroclor 1254	785	148 ug/kg dry	1050	ND	74.8	55-130	36.0	40	· · · · · ·
Surr: 2,4,5,6-Tetrachloro-m-xylene	199	"	252		79.0	55-130			
Surr: Decachlorobiphenyl	177	"	252		70.2	55-130			

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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter 08/13/01 17:56

Notes and Definitions

S-07 Surrogate recovery is out of control limits. QA criteria are met when one surrogate is within control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M108008 FINAL 08 13 01 1756.mdb
			Default Report (not modified)
M108008-03	8082 PCB	Decachlorobiphenyl	S-07
M108008-03	8082 PCB	Decachlorobiphenyl	Exceeds lower control limit
M108008-04	8082 PCB	Decachlorobiphenyl	S-07
M108008-04	8082 PCB	Decachlorobiphenyl	Exceeds lower control limit